

Incident Summary (5617800) (Final)

SUPPORTING INFORMATION	Incident Date		Date	June 2, 2017
	Location			Vernon
	Regulated industry sector			Passenger Ropeway – above surface lift
	Impact	Injury	Qty injuries	None
			Injury description	None
			Injury rating	None
		Jamage	Damage description	The wiring between operator controls (Lift hut) and the Return station became separated. The loading gates and carriers in the machine were pushed away from their fixed position.
			Damage rating	Minor
	Incident rating		rating	Minor
	Incident overview			Water saturated earth and debris, started the mudslide about 500m uphill and to the left of the lift alignment. The bottom terminal was the only area of the passenger ropeway that was affected by the mudslide. Bottom terminal surrounded by 1.2m to 1.8m of dirt, silt and small rock. The lift operator hut was turned 130 degrees and pushed off its foundation. The load gates were pushed back about 25m directly behind the terminal over an embankment. Three carriers in the terminal were lifted/pushed in the bottom terminal.
INVESTIGATION CONCLUSIONS	Site, system and components		em and ents	The bottom terminal, which consists of a machine room, operator hut, loading ramp (with loading gates) and carriers that may be in the machine room as they are spaced evenly along the entirety of the lift. The lift operator hut houses the operating controls and safety systems for the bottom terminal and towers. The load gates are used to control passengers loading on the chairs. The carriers are the chairs used to carry passengers.
	Failure scenario(s)			Significant rainfall and large patches of snow creating a water diversion. Resulting in earth becoming saturated and sliding.
	Facts and evidence			Heavy rainfall has been reported this Spring. Slow melting of snow leaving large patches snow, will divert water and create a washout of earth debris.
	Causes and contributing factors			The combination of a rainy spring and potentially blocked drainage ditches and culverts most likely caused the mudslide.











